


A RESOLUTION of the City Council of the City of Orem outlining their support for adoption of the 2015 International Energy Conservation Code (IECC) and other possible air quality enhancements for Utah.



RESOLUTION

- 
1. Utah Valley Clean Air Task Force
 2. Inversions
 3. Contributing Factors
 4. 2015 International Energy Conservation Code
 5. Resolution

Credit: Mark Johnston, Daily Herald



OUTLINE



- Established in early 2014.
- Monthly Meetings
- Task Force members include BYU, UVU, City of Orem, Provo City, Utah County Health Department, UCAR, American Lung Association, UV Chamber, MAG, and private business representatives.



UTAH VALLEY CLEAN AIR TASK FORCE



CLEAN AIR PLEDGE

#uvcleanair

I am making a conscious decision to improve the air quality by promoting simple changes in my daily habits that reduce pollution.

I will...

- > Consolidate vehicle trips and reduce my family's total driving.
- > Park and walk instead of using drive-up windows.
- > Not let my vehicle idle for more than 30 seconds, even on cold mornings.
- > Ride my bike, car-pool, or use public transportation.
- > Keep my sidewalks clear.
- > Not burn wood or coal, indoors or out.



■ Accomplishments include:

- Clean-Air Pledge Program
- Pledge Cards and Pins
- Electronic Billboard Ads
- Air-Quality Flag Sets
- UTA Bus-Idling Thermometers

breathe easy.

clean air starts with you.

- > Consolidate vehicle trips and reduce total driving.
- > Park and walk instead of using drive-up windows.
- > Don't let vehicles idle for more than 30 seconds, even on cold mornings.
- > Ride a bike, car-pool, or use public transportation.
- > Keep sidewalks clear.
- > Don't burn wood or coal, indoors or out.

#uvcleanair  CLEAN AIR PLEDGE



UTAH VALLEY CLEAN AIR TASK FORCE

Inversions:

- Are an issue every winter.
- Cause health problems.
- Affect economic development.

Businesses have eliminated Utah from their site selection searches because of inversions.



Credit: Grant Hindsley, Daily Herald

Automobiles: 50-60%

Industry: 10-15%

Home and Buildings: 30-40%

(estimate depending upon source)



CONTRIBUTING FACTORS

2015 New Code Requirements:

- Increased R-Value (Thermal Resistance) Insulation
 - Ceiling, Skylight, Windows and Doors, Wood Frame Wall, Floor, Basement Wall, Slab, and Return Ducts in Attics
- Duct Leakage
- High Efficiency Lighting
- Other HVAC Control Requirements



- Increased construction costs that range from approximately \$1,000 to \$3,000 for a typical home.



- New homeowners will save an average of \$297 per year in utility costs. After accounting for up front costs and additional costs financed in the mortgage, homeowners should see net positive cash flows within two years.*
- Pollutants including CO₂, PM_{2.5}, and ozone would be reduced.
- Energy demand from new construction would be reduced, mitigating the need for new infrastructure.

*Source: US Department of Energy: Cost-Effectiveness Analysis of the Residential Provisions of the 2015 IECC for the State of Utah, June 2015



2015 IECC ADVANTAGES

1. The City Council is interested in state legislators adopting the 2015 IECC for Utah.
2. The City Council instructs the City of Orem Recorder to transmit duly authenticated copies of this resolution to the President of the Utah Senate, to the Speaker of the Utah House of Representatives, to the Clerk of the Legislature, and to the news media of Utah to include the Daily Herald, Salt Lake Tribune, and Deseret News.



RESOLUTION ACTION